

**REPLY/AMENDMENT
FEE TRANSMITTAL****RECEIVED****MAR 10 2003****TC 1700**

AMOUNT ENCLOSED	\$465	Attorney Docket No.	9113-20US
		Application Number	09/009,455
		Filing Date	1/20/1998
		First Named Inventor	Mills
		Group Art Unit	1754
		Examiner Name	Langel

FEE CALCULATION (fees effective 10/01/97)

CLAIMS AS AMENDED	Claims Remaining After Amendment	Highest Number Previously Paid For	Number Extra	Rate	Calculations
TOTAL CLAIMS	281 ⁽¹⁾	281 ⁽²⁾ =	⁽³⁾	X \$18.00 =	
INDEPENDENT CLAIMS	5 ⁽⁴⁾	5	⁽⁶⁾	X \$78.00 =	
Since an Official Action set an original due date of March 10, 2003, petition is hereby made for an extension to cover the date this reply is filed for which the requisite fee is enclosed (1 month (\$110); 2 months (\$400); 3 months (\$950); 4 months (\$1,510); 5 months (\$2,060)): 3 Months					930
If Statutory Disclaimer under Rule 20(d) is enclosed, add fee (\$110)					+
Total of above Calculations =					\$930
Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27 & 1.28)					-465
TOTAL FEES DUE =					\$465
<small>(1) If entry (1) is less than entry (2), entry (3) is "0". (2) If entry (2) is less than 20, change entry (2) to "20". (4) If entry (4) is less than entry (5), entry (6) is "0". (5) If entry (5) is less than 3, change entry (5) to "3".</small>					

METHOD OF PAYMENT

- ☒ Check enclosed as payment.
- ☐ Charge "TOTAL FEES DUE" to the Deposit Account No., below.

AUTHORIZATION

- ☒ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees under 37 CFR 1.16 or 1.17 necessary to maintain pendency of the present application to:

Deposit Account No.: 50-0687

OrderNo.: (Client/Matter) 62-226

SUBMITTED BY: FARKAS & MANELLI, PLLC

Typed Name	Jeffrey S. Melcher	Reg. No.	35,950
Signature		Date	March 10, 2003

Filing Receipt for Documents Filed in US. Patent and Trademark Office

U.S. Serial No.: 09/009,455 Inventor: Mills Date: March 10, 2003

Enclosed Items:

Response to Office Action

Petition for 3 Months Extension

Information Disclosure Statement

Check: \$465

Copies of following publications:

85. R. L. Mills, "Novel Catalytic Reaction of Hydrogen as a Potential New Energy Source."
84. September 20, 2002 Online Newsletter of the James Randi Educational Foundation, *Swift*, www.randi.org/jr/092002.html.
83. September 6, 2002 Online Newsletter of Dr. R. Park, *What's New*, www.aps.org.
82. R. L. Mills, P. Ray, J. Dong, M. Nansteel, R. M. Mayo, B. Dhandapani, X. Chen, "Comparison of Balmer α Line Broadening and Power Balances of Helium-Hydrogen Plasma Sources", *IJHE*, submitted.
81. R. Mills, P. Ray, B. Dhandapani, W. Good, P. Jansson, M. Nansteel, J. He, A. Voigt, "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts", *J. Phys. Chem. A*, submitted.
80. R. L. Mills, The Fallacy of Feynman's Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics, *Physical Review*, submitted.
79. R. Mills, J. He, B. Dhandapani, P. Ray, "Comparison of Catalysts and Microwave Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion", *Canadian Journal of Physics*, submitted.
78. R. L. Mills, P. Ray, J. Dong, M. Nansteel, B. Dhandapani, J. He, "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Molecular Hydrogen", *Bulletin of the Chemical Society of Japan*, submitted.
77. J. Phillips, R. L. Mills, X. Chen, "Water Bath Calorimetric Study of Excess Heat in 'Resonance Transfer' Plasmas", *Journal of Applied Physics*, submitted.
76. R. L. Mills, P. Ray, B. Dhandapani, X. Chen, "Comparison of Catalysts and Microwave Plasma Sources of Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen", *Journal of Applied Spectroscopy*, submitted.
75. R. L. Mills, P. Ray, B. Dhandapani, J. He, "Novel Liquid-Nitrogen-Condensable Molecular Hydrogen Gas", *Polish Journal of Chemistry*, submitted.
74. R. L. Mills, P. C. Ray, R. M. Mayo, M. Nansteel, B. Dhandapani, J. Phillips, "Spectroscopic Study of Unique Line Broadening and Inversion in Low Pressure Microwave Generated Water Plasmas", *Physics of Plasmas*, submitted.
73. R. L. Mills, P. Ray, B. Dhandapani, J. He, "Energetic Helium-Hydrogen Plasma Reaction", *AIAA Journal*, submitted.
72. R. L. Mills, M. Nansteel, P. C. Ray, "Bright Hydrogen-Light and Power Source due to a Resonant Energy Transfer with Strontium and Argon Ions", *Vacuum*, submitted.
71. R. L. Mills, P. Ray, B. Dhandapani, J. Dong, X. Chen, "Power Source Based on Helium-Plasma Catalysis of Atomic Hydrogen to Fractional Rydberg States", *J. Mol. Struct.*, submitted.
70. R. Mills, J. He, A. Echezuria, B. Dhandapani, P. Ray, "Comparison of Catalysts and Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion", *European Journal of Physics D*, submitted.
69. R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Spectroscopic Characterization of the Atomic Hydrogen Energies and Densities and Carbon Species During Helium-Hydrogen-Methane Plasma CVD Synthesis of Diamond Films", *Chemistry of Materials*, in press.
68. R. Mills, P. Ray, R. M. Mayo, "Stationary Inverted Balmer and Lyman Populations for a CW HI Water-Plasma Laser", *IEEE Transactions on Plasma Science*, submitted.
67. R. L. Mills, P. Ray, B. Dhandapani, J. He, "Extreme Ultraviolet Spectroscopy of Helium-Hydrogen Plasma", *J. Phys. B*, submitted.
66. R. L. Mills, P. Ray, "Spectroscopic Evidence for a Water-Plasma Laser", *Europhysics Letters*, submitted.
65. R. Mills, P. Ray, R. M. Mayo, "Spectroscopic Evidence for CW HI Lasing in a Water-Plasma", *J. of Applied Physics*, submitted.
64. R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Low Power MPCVD of Diamond Films on Silicon Substrates", *Journal of Vacuum Science & Technology A*, submitted.
63. R. L. Mills, X. Chen, P. Ray, J. He, B. Dhandapani, "Plasma Power Source Based on a Catalytic Reaction of Atomic Hydrogen Measured by Water Bath Calorimetry", *Thermochimica Acta*, submitted.
62. R. L. Mills, A. Voigt, B. Dhandapani, J. He, "Synthesis and Spectroscopic Identification of Lithium Chloro Hydride", *Materials Characterization*, submitted.
61. R. L. Mills, B. Dhandapani, J. He, "Highly Stable Amorphous Silicon Hydride", *Solar Energy Materials & Solar Cells*, in press.
60. R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Synthesis of HDLC Films from Solid Carbon", *Thin Solid Films*, submitted.
59. R. Mills, P. Ray, R. M. Mayo, "The Potential for a Hydrogen Water-Plasma Laser", *Applied Physics Letters*, Vol. 82, No. 11, (2003), pp. 1679-1681.
58. R. L. Mills, "Classical Quantum Mechanics", *Physics Essays*, submitted.
57. R. L. Mills, P. Ray, "Spectroscopic Characterization of Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts," *J. of Quantitative Spectroscopy and Radiative Transfer*, in press.

